

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification to the existing traffic controlsignalat the intersection of MD 223 and Dangerfield Rd/Old Alexandria Ferry Rd in Prince George's County, Maryland. MD 223 is considered to run in an east/west direction.

II. INTERSECTION OPERATION

The intersection presently operates in NEMA four (4) phase, full-traffic-actuated mode. The MD 223 through movements operate concurrently. The Dangerfield Rd/Old Alexandria Ferry Rd through movements operate concurrently.

The existing cabinet/controller and phasing will be utilized.

III. WORK ZONE TRAFFIC CONTROL

Utilize the following Work Zone Traffic Typicals from the MD-SHA Book of Standards:

MD-105.00	MD-105.103
MD-105.01	MD-105.105
MD-105.02	MD-105.201
MD-105.03	MD-105.203
MD-105.101	MD-105.309
	MD-107.007.

EQUIPMENT LIST

Equipment to be furnished and installed by the Contractor.
All equipment in this list shall have catalog cuts submitted for approvalprior to installation.

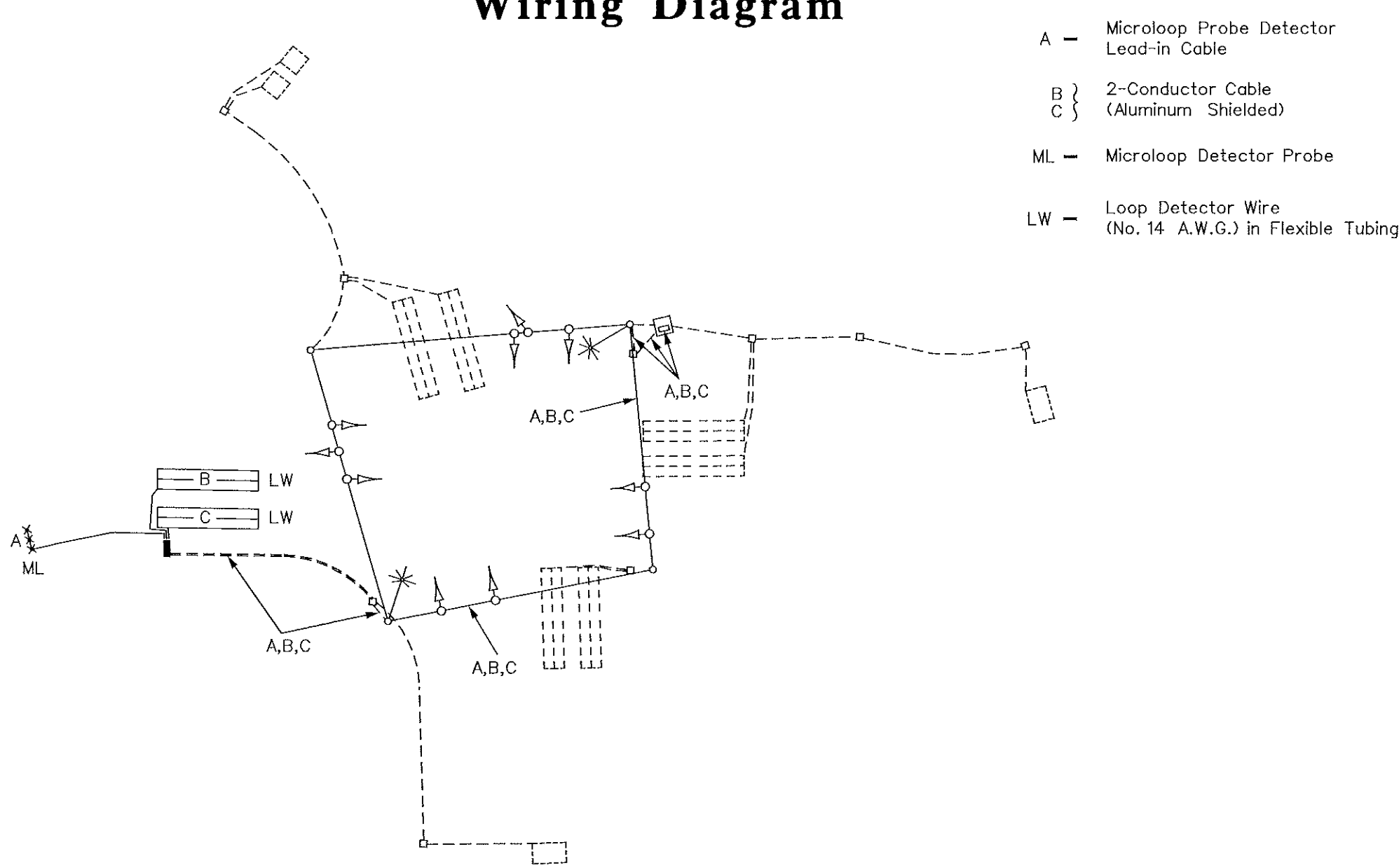
Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
7.5	SF	813	30 in. x 36 in. R 3-5(L) sign with span wire mounting hardware.
1	EA	811	Handhole.
415	LF	815	Sawcut for signalloop detector.
900	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
675	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
1	EA	---	Microloop detector probe (set of 3) with 500 ft. lead-in cable.
20	LF	805	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.
75	LF	805	2 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.
25	LF	500	24 in. wide HAPPTPM - white for stop line.

FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

Phase Chart

	1	2	3	4	5	6	7	8	9	10	
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	
Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	Y	R	R	R	R	R	→
Phase 4 & 8	R	R	R	R	R	G	G	G	G	G	↓
4 & 8 Change	R	R	R	R	R	Y	Y	Y	Y	Y	↑
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	⚡ ↓

Wiring Diagram



MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: J. Dirndorfer	(General Information)		
DES. BY: J. Dirndorfer	MD 223 at Dangerfield Rd/ Old Alexandria Ferry Rd		
CHK. BY:	COUNTY: PRINCE GEORGE'S	LOG MILE • 16022308.56	
DATE: September 24, 1997	F.A.P. NO. N/A	TS/STD. NO. 1747B-GI	SHEET NO. 2 of 2
SCALE: N/A	S.H.A. NO. BW139M83		